

# Bim Wiki: Stephen Blanchard

## Post #1: Adjusting Revit Photometry:

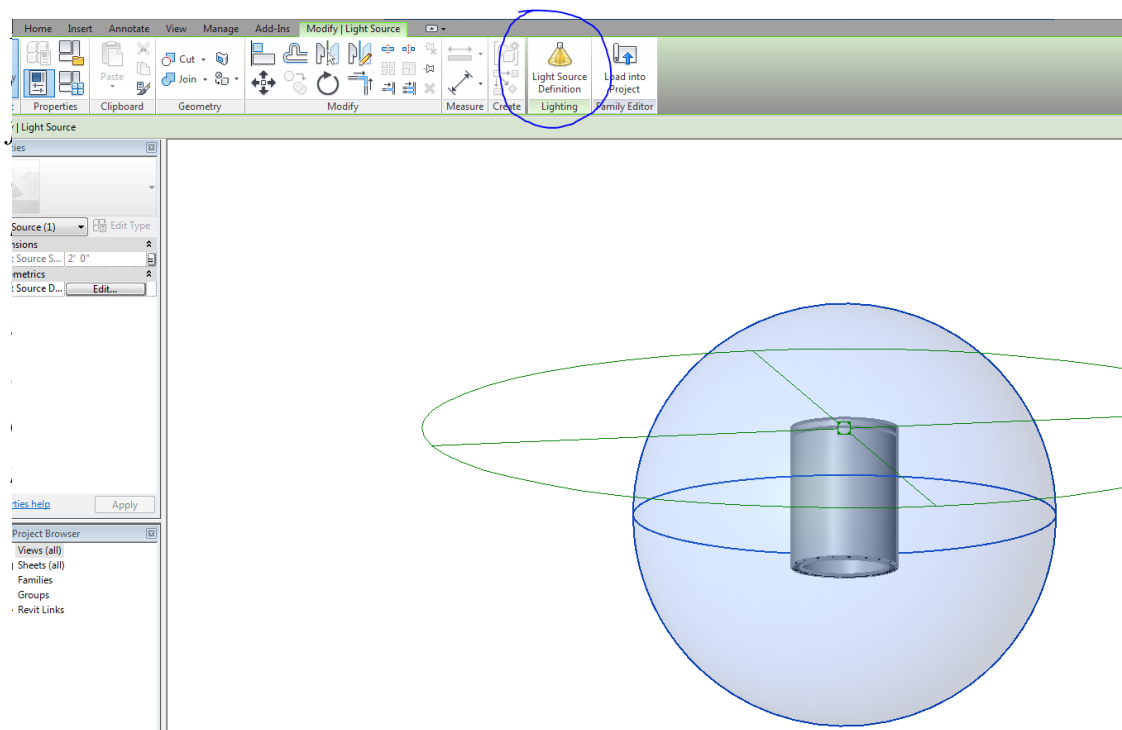
The purpose of this wiki topic is to teach end users how to adjust the photometry behavior of their luminaires in Revit. This will allow them to change the way the luminaires appear and function when renderings are taken in an effort to visually make the space perform as intended.

Note: In order to adjust the photometry of a fixture in Revit, the family loaded into the project must be a smart luminaire equipped with a photometry file.

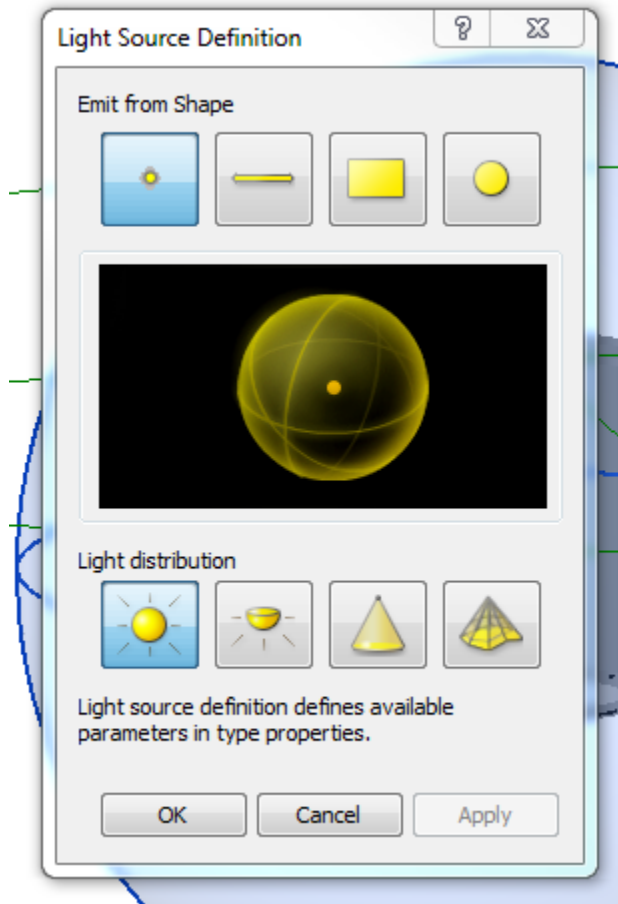
### Adjusting Unplaced Luminaires:

Note: It is best to start completing these steps after building project file is already open in Revit.

1. Open the luminaire Revit file in Revit architecture.
2. On the top ribbon, click the *default 3D icon* to take the view of the luminaire into a 3D view.
3. Rotate the view until it is easy to see the yellow photometry light source shape and then select the light source.
4. On the main Revit ribbon, click the large icon labeled *Light Source*

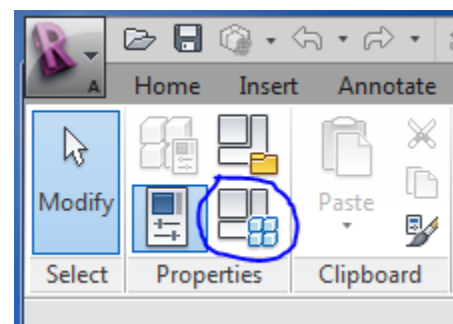


5. Once open, a window will appear on the screen giving the user options to describe how they want their light source to appear emitting from the fixture and how the light will be distributed once emitted.
6. Once both options have been selected, click *OK*.



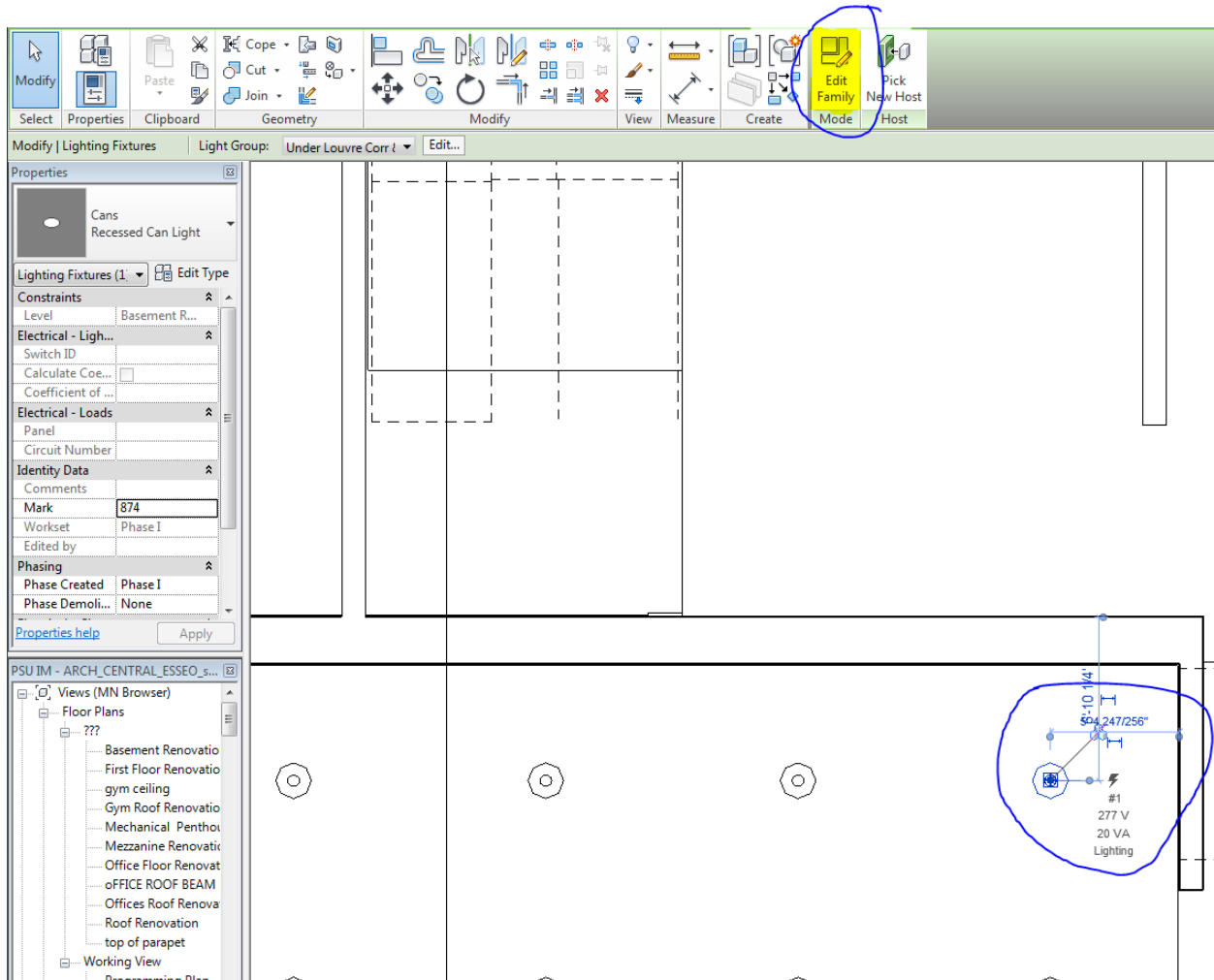
7. Some down light distribution photometry files will angle the wrong direction once selected. To fix this select the light source again and click the icon on the main ribbon labeled *family types*.
8. Scroll down through the window until the “Photometrics” section is reached.
9. Adjust the tilt angle to 90 degrees to create a vertical downlight.

10. Click *OK*
11. Once satisfied, click *load into project* on the main Revit Ribbon.



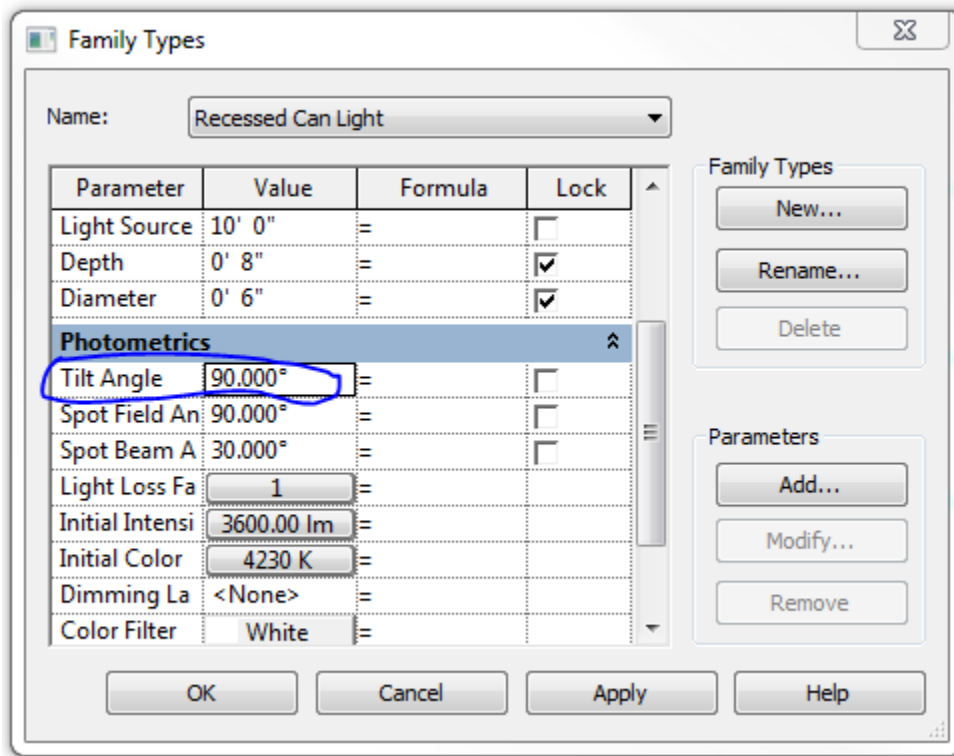
## Adjusting Placed Luminaires:

1. In the Revit Project, select a single luminaire in the family that needs to be edited.
2. On the main Revit ribbon, click the *Edit Family* icon.



3. Rotate the view until it is easy to see the yellow photometry light source shape and then select the light source.
4. On the main Revit ribbon, click the large icon labeled *Light Source Definition*.
5. Once open, a window will appear on the screen giving the user options to describe how they want their light source to appear emitting from the fixture and how the light will be distributed once emitted.
6. Once both options have been selected, click *OK*.

7. Some down light distribution photometry files will angle the wrong direction once selected. To fix this select the light source again and click the icon on the main ribbon labeled *family types*.
8. Scroll down through the window until the “Photometrics” section is reached.
9. Adjust the tilt angle to 90 degrees to create a vertical downlight.
10. Click *OK*



11. Once satisfied, click *load into project* on the main Revit Ribbon.